in an MMS message, PDF application, word document, excel graphs, excel charts, four dimensional (4-D) screensaver, 4-D art, 4-D drawings, 3-D imagery, a 3-D sculpture, a 4-D "etch-a-sketch", or architecture designs using scalable or vector graphics. Any of the content given above and displayed by portion **428** may be transmitted or received over one or more network adapters **128**.

Moreover, portion **428** can provide, replicate, or simulate integrated circuit layouts, electrical circuit layouts, facial features, enhanced video clips, computer aided designs (CAD), semiconductor layouts, prototyping, modeling, molding for producing form factors, logos, trademarks, a children's educational product, a general education product, a 3-D drawing tool, distance learning, or a pop-up children's books, as desired. In addition, portion **428** can be responsive to voice or visual commands or recognition detected by sensors **126** for being elevated, indented, or texturized.

Moreover, portion **428** can provide object awareness to display device **402**. For instance, a post it note can be detected when it is determined that there is additional resistivity or elasticity by the adhesive on the post it note by pressure sensors **123** and in combination with touch detectors **124** and/or display(s) elevation, indenting, or texturizing controller **121** to raised or elevated cell in portion **428**. In response to the detected post it, display device **402** can adapt and reformat the images around the note such that images are not obstructed to the user.

Moreover, portion **428** can provide advanced Bluetooth capabilities for Bluetooth keyboards, headsets and can function as a Bluetooth device itself for medical applications. When a call is received over one or more network adapters **128**, a preprogrammed texturized pattern is reproduced on portion **428** for notifying the user, such as when display device **402** is in a shirt pocket in hands-free mode communicating with a wireless headset. Alternatively, the texturized pattern reproduced on portion **428** during an incoming call can be controlled, designed, or customized by the calling party if the function is enabled on device **100**.

Still referring to FIG. **4**, another embodiment provides object detection for a 3-D object that is placed on area **429** having a combination of elevated cells, indented cells, and/or texturized cells. FIG. **5** is a process **500** for detecting objects or shapes using elevated, indented, or texturized display portions. Although process **500** can be performed by device **100** in a fat client architecture, device **100** can also be configured as a thin client by sharing shape detection processing functions with a server (not shown) using one or more network adapters **128**. Cells are selectively raised around an object placed on area **429** by display(s) elevation, indenting, or texturizing controller **121** (step **502**). The weight of the object is detected by pressure sensors **123** and shape detectors **125** and a height graph of the surface of the object is generated by one or more processors **102** (step **504**). The perimeter of the object placed on area **429** is determined by one or more processors **102** and shape detectors **125** by raising or lowering cells in proximity to object by display(s) elevation, indenting, or texturizing controller **121** (step **506**). One or more processors **102** calculate gradients values (step **508**) and generates a surface graph (step **510**) based on the previous measurements made.

Moreover, display device **402** may have infrared detectors $\mathbf{430}_1$-$\mathbf{430}_4$ in a slightly beveled position or in the level with the frame of display device **402**. Display device **402** may also have digital cameras $\mathbf{434}_1$-$\mathbf{434}_4$ for capturing, tracking, and detecting shapes using algorithms such as that described in U.S. Pat. No. 7,317,872, herein incorporated by reference as if fully set forth, that can be used to perform additional sensor measurements (step **512**). Other sensor measurements for additional metrics and refinement include infrared or optical detection to detect depth. These sensors can be embedded next to or within each display cell in display device **402**. Based on steps **502-512**, a preliminary image may be rendered by one or more processors **102**. The preliminary image can be compared and matched against a database of images in storage **110**, or stored remotely, using artificial intelligence algorithms. Information is then retrieved by one or more network adapters **128** based on the detected object and/or preliminary image (step **514**).

In a process involving area **429** and process **500**, a ring size is detected and related information, such as from an online jewelry stored, is retrieved over one or more network adapters in response. Alternatively, the size and type of certain household goods, such as hardware, screws, nuts, light bulbs, batteries can be determined by area **429** and process **500**. Moreover, a key placed on area **429** can be keyed and the information sent over one or more network adapters **128** for subsequent duplication and mail delivery by an online store. In addition, process **500** can be used to obtain biometric information for security purposes.

In another process involving area **429**, intellectual property assets, such as patents, trademarks, or copyrights, relating to the shape of a detected object is retrieved and displayed in a map format in display device **402** to show a correspondence between similar features of an object and related intellectual property assets. FIG. **7** is a process using an elevated, indented, or texturized display device for identifying intellectual property assets. The shape of a widget **702** placed on area **429** is detected by process **500** and digitally rendered. The detected shape of the widget **702** is compared against widgets $\mathbf{706}_1$, $\mathbf{706}_2$, or $\mathbf{706}_3$ shown and described in US Patent No. X (**704**) stored in a database. The comparison between widgets can be performed graphically using image rendering, as understood to one of ordinary skill in the art. Moreover, artificial intelligence algorithms can be used to compare claim text or descriptions **710** in US Patent No. X (**704**) against features detected by area **429** and process **500**. If a match is determined or found, the widget **702** is associated with US Patent No. X (**708**) and displayed in a map format on display device **402**.

In another embodiment, display device **402** replicates, mimics, or simulates a customizable or programmable interface or control panel for a remote control, instrument panel on a vehicle, an automobile dashboard configuration, audio equalizers, multitouch equalizers, radio button list, or a consumer electronics button surface with raised button portions $\mathbf{432}_1$-$\mathbf{432}_3$. The simulated interface can be used to sell consumer electronics or function as an advanced user guide whereby input, output, and programming functions are simulated with button portions $\mathbf{432}_1$-$\mathbf{432}_3$ that have the same size and shape as the actual buttons on a product. Moreover, $\mathbf{432}_1$-$\mathbf{432}_3$ can be programmed for controlling volume control, replicating smart home switches or controllers, as desired.

Still referring to FIG. **4**, advanced web searching **436** is performed by measuring pressure applied or detecting depth perception to raised or elevated portion **438**. Web searching **436** can be used in combination with area **429** to display hits or webpages relevant to detected objects.

FIG. **6** is a process **600** using an elevated, indented, or texturized display device that can be selectively performed by the display devices described above. Information is received from one or more network adapters **128**, I/O devices **118**, or storage device **110** (step **602**). The sector of cells to be elevated, indented, or texturized based on the